



## PATENT SPECIFICATION

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191,655

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## COMPLETE SPECIFICATION.

## Improvements in or relating to Means for use in Discharging or Emptying Containers and the like.

I, JOSEPH MARIE ETIENNE FRANC, a French citizen, of Andancette, Drome, in the Republic of France, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

Devices are known the object of which is to effect in a simple and clean manner the filling of small lubricators with thick or consistent fat, as well as other applications of fat, by using packing boxes of thin metal, cardboard or other suitable material which are first filled with the lubricating medium and put on the market by the makers.

The aforesaid boxes, at the moment they are to be used, are put in a press which serves to eject the contents thereof into the lubricators or otherwise.

This enables the operator to avoid coming in contact with the lubricating material and prevents especially any waste of fat, as usually happens when presses, pumps and lubricators are filled.

The object of the present invention is to dispense with the press-cylinder in such devices, by applying the packing box direct as such.

The accompanying drawing illustrates by way of example two constructional forms in accordance with the invention.

In Figure 1, the lubricating material is contained in small packing boxes A which are of cylindrical form having a closed upper end A<sup>1</sup>. These containers or boxes are filled with the thick or consistent fat, graphite or other lubricating material.

In use the boxes are placed on the device shewn in the drawing.

The aforesaid device consists of a cylindrical die *a*, provided with a longitudinal bore *b*.

The cylindrical die *a* is screwed into a metallic body *c* having a central hole and two wing-portions *d* disposed diametrically opposite each other, which portions

*d* serve as a handle. The lower part of the metallic body *c* terminates in a cone *e* and forms the outlet for the lubricating material.

In order to use the said device, the cylindrical box A is positioned with the open end over the upper end *f* of the cylindrical die *a*, which on pressing down the box A acts as a piston.

As these parts are a more or less tight fit, all that is necessary is to press down the box with the thumb or handle, when the lubricating material passes through the conical aperture *e*.

In order to improve the oil-tightness, the end *f* of the die *a* may be provided with a packing of cork, felt or other suitable material. When the box is empty it may be replaced by a fresh box.

Figure 2 shews another form of lubricating pump; the cylindrical part *a*, instead of being screwed on the metallic body *c* fits on it by means of a conical part *k* which is adapted to engage the interior of the metallic body *c* conically cut for that purpose.

The top of the cylindrical part *a*, in order to ensure the necessary tightness, may be provided either with felt washers or stamped leather, as shewn in Figure 2. The stamped leather or other washer is kept in position by a nut *z* internally perforated to allow the passage of the lubricant on the cylindrical part *a*.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. A device for filling lubricating boxes by means of packing boxes filled with thick or consistent fat, characterised in that a holder provided in the known manner with a handle is furnished with a mouth-piece and a fixed die connected therewith and provided with a longitudinal bore on which die a packing box

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having one closed end is pressed by hand, when in use.

2. A device for filling lubricating boxes by means of packing boxes filled  
5 with thick or consistent fat. characterised in that the die, instead of being screwed onto the metallic body, fits thereon by means of a conical part which enters the interior of the metallic body conically cut  
10 for that purpose, the top of the cylindrical part in order to ensure the necessary

tightness, being provided either with suitable washers or washers which are retained in position by a screw-threaded nut internally perforated to allow the pas- 15 sage of the lubricant through the die.

Dated this 16th day of March, 1922.

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[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1

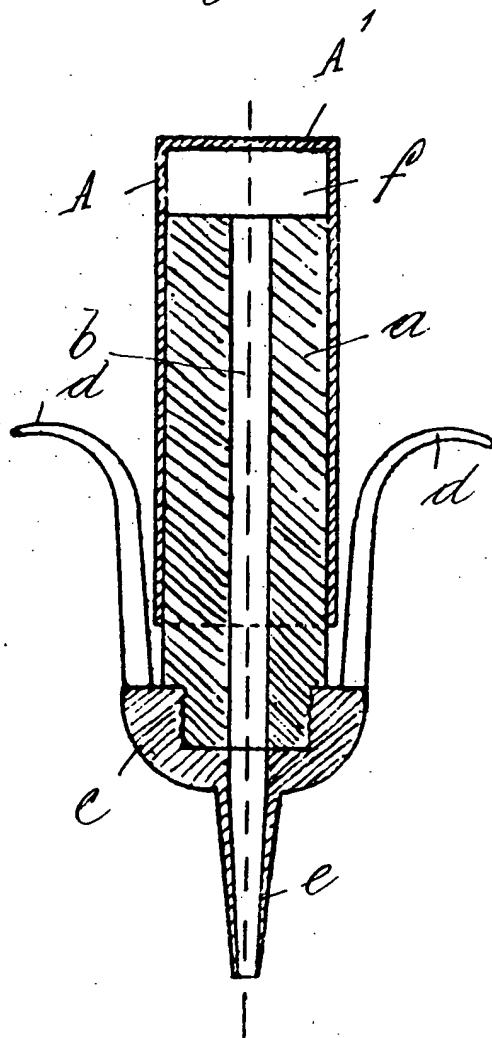
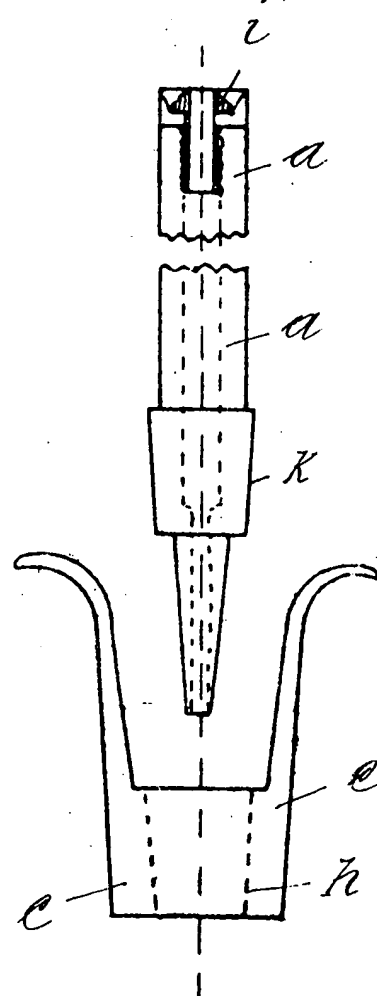


Fig. 2



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